

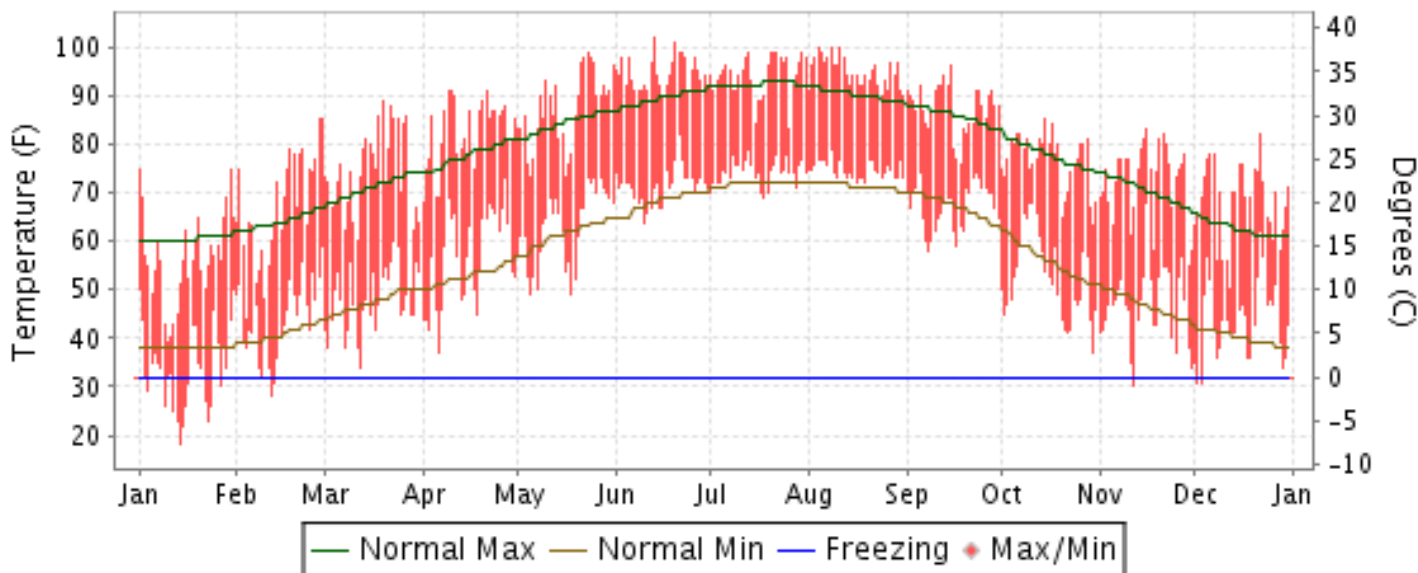


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

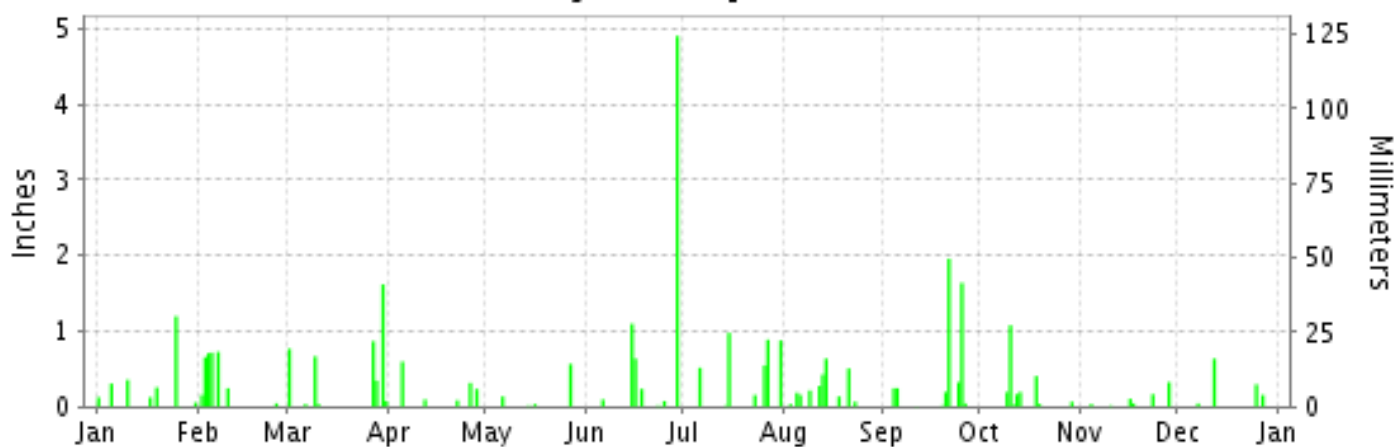
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SAVANNAH, GEORGIA (KSAV)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

SAVANNAH (KSAV)

LATITUDE: 32° 7'N LONGITUDE: -81° 12'W ELEVATION (FT): GRND: 46 BARO: 143 TIME ZONE: EASTERN (UTC -5) WBAN: 03822

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	56.5	67.0	73.8	82.5	87.1	94.6	94.2	94.8	87.5	76.6	72.6	67.9	79.6	
	HIGHEST DAILY MAXIMUM	75	85	89	91	99	102	99	100	96	85	83	82	102	
	DATE OF OCCURRENCE	30+	28+	19	21+	23	13	30+	11+	15	15	16	22	JUN 13	
	MEAN DAILY MINIMUM	33.7	43.8	48.0	56.7	62.8	71.4	74.3	74.7	67.2	52.5	46.8	43.6	56.3	
	LOWEST DAILY MINIMUM	18	28	34	37	49	64	69	72	58	37	30	31	18	
	DATE OF OCCURRENCE	14	12	12	06	05+	10	18	19+	08	30	12	03+	JAN 14	
	AVERAGE DRY BULB	45.1	55.4	60.9	69.6	75.0	83.0	84.3	84.8	77.4	64.6	59.7	55.8	68.0	
	MEAN WET BULB	40.2	49.3	53.8	62.0	65.8	72.7	75.1	75.2	69.7	57.9	53.6	50.1	60.5	
	MEAN DEW POINT	33.5	43.4	47.7	56.4	60.3	68.2	71.4	71.8	65.8	52.6	48.1	45.1	55.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	4	16	30	27	31	13	0	0	0	0	121
	MAXIMUM <= 32°	0	0	0	0	0	5	0	0	0	0	0	0	0	5
MINIMUM <= 32°	14	3	0	0	0	0	0	0	0	0	1	2	20		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	608	279	153	46	6	0	0	0	0	86	174	290	1642	
	COOLING DEGREE DAYS	0	15	35	191	322	548	604	621	379	81	24	9	2829	
RH	MEAN (PERCENT)	68	69	67	67	65	67	71	71	72	70	70	72	69	
	HOUR 01 LST	79	84	80	85	83	83	84	86	87	85	84	82	84	
	HOUR 07 LST	83	81	83	79	71	72	78	79	83	81	81	85	80	
	HOUR 13 LST	49	48	46	45	43	43	49	49	51	47	45	49	47	
	HOUR 19 LST	68	69	66	66	66	69	72	73	72	74	73	75	70	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	5	5	5	2	0	3	1	3	2	2	2	1	31	
	THUNDERSTORMS	0	0	3	6	1	13	10	13	5	1	1	0	53	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	30.00	30.07	30.04	29.96	29.92	29.91	29.93	29.83	29.92	29.96	30.09	30.16	29.98	
	MEAN SEA-LEVEL PRESS. (IN.)	30.07	30.13	30.10	30.02	29.98	29.97	29.99	29.89	29.97	30.02	30.15	30.22	30.04	
WINDS	RESULTANT SPEED (MPH)	2.7	1.3	0.8	3.7	3.4	2.7	3.1	0.7	0.5	2.3	0.6	0.2	1.0	
	RES. DIR. (TENS OF DEGS.)	29	24	21	19	19	20	19	15	10	01	02	31	21	
	MEAN SPEED (MPH)	6.5	7.8	8.6	8.0	7.4	6.7	6.5	6.3	5.6	6.5	6.9	6.3	6.9	
	PREVAIL.DIR.(TENS OF DEGS.)	29	27	28	16	17	17	21	09	02	04	02	03	28	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	31	26	30	33	24	31	47	37	35	32	28	32	47	
	DIR. (TENS OF DEGS.)	26	25	33	25	16	10	14	32	19	31	26	28	14	
	DATE OF OCCURRENCE	26	21	27	05	26	29	31	14	05	13	28	07	JUL 31	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	40	33	40	47	30	40	70	47	43	46	36	46	70	
DIR. (TENS OF DEGS.)	25	27	29	26	12	10	17	32	20	31	24	29	17		
DATE OF OCCURRENCE	26	21	24	05	26	29	31	14	05	13	28	07	JUL 31		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.46	3.28	4.44	1.35	0.77	7.09	4.00	2.68	4.71	2.20	0.72	1.15	34.85	
	GREATEST 24-HOUR (IN.)	1.21	1.37	1.62	0.60	0.57	4.90	0.98	0.83	2.15	1.16	0.33	0.64	4.90	
	DATE OF OCCURRENCE	25-26	03-04	30	05	27	29	15	13-14	20-21	09-10	28	12	JUN 29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	8	7	8	5	4	8	7	10	9	8	6	4	84	
PRECIPITATION 0.10	6	6	5	4	2	1	6	8	6	5	3	3	55		
PRECIPITATION 1.00	1	0	1	0	0	2	0	0	2	1	0	0	7		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	GREATEST 24-HOUR (IN.)	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	DATE OF OCCURRENCE	22+												JAN 22+	
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES SAVANNAH (KSAV)

LATITUDE: 32° 7'N LONGITUDE: -81° 12'W ELEVATION (FT): GRND: 46 BARO: 143 TIME ZONE: EASTERN (UTC -5) WBAN: 03822

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	60.4	64.1	71.0	77.7	84.3	89.5	92.3	90.3	86.0	78.1	70.5	62.6	77.2	
	MEAN DAILY MAXIMUM	61	60.3	63.8	70.5	77.8	84.4	89.3	91.6	90.4	85.8	78.1	70.0	62.5	77.0	
	HIGHEST DAILY MAXIMUM	61	84	86	91	95	100	104	105	104	98	97	89	83	105	
	YEAR OF OCCURRENCE		1957	1989	1974	1986	1953	1985	1986	1954	1986	1986	1961	1971	1971	JUL 1986
	MEAN OF EXTREME MAXS.	61	76.3	79.6	84.6	89.3	93.7	97.5	98.3	97.2	93.7	88.4	82.5	77.7	88.2	
	NORMAL DAILY MINIMUM	30	38.0	40.9	47.5	52.9	61.3	68.1	71.8	71.3	67.3	56.1	46.9	40.1	55.2	
	MEAN DAILY MINIMUM	61	38.4	41.1	47.4	54.1	62.4	69.2	72.3	72.1	67.8	56.8	46.8	40.2	55.7	
	LOWEST DAILY MINIMUM	61	3	14	20	28	39	51	61	57	43	28	15	9	3	
	YEAR OF OCCURRENCE		1985	1958	1980	2007	1963	1984	1972	1986	1967	1952	1970	1983	1983	JAN 1985
	MEAN OF EXTREME MINS.	61	21.2	24.9	30.3	38.6	49.1	60.7	66.7	66.1	56.5	39.9	29.8	23.5	42.3	
	NORMAL DRY BULB	30	49.2	52.5	59.3	65.3	72.8	78.8	82.1	80.8	76.7	67.1	58.7	51.4	66.2	
	MEAN DRY BULB	61	49.3	52.4	58.9	65.9	73.4	79.3	82.0	81.3	76.8	67.5	58.4	51.4	66.4	
	MEAN WET BULB	28	43.5	46.5	51.6	57.1	65.0	71.7	74.3	74.4	70.2	61.2	53.1	46.1	59.6	
	MEAN DEW POINT	28	40.2	42.8	48.2	53.8	62.6	70.2	72.8	73.0	68.8	59.2	50.9	43.2	57.1	
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	*	1.3	5.5	15.2	23.0	18.6	8.1	0.6	0.0	0.0	72.3	
	MAXIMUM <= 32	30	0.1	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	
MINIMUM <= 32	30	8.7	5.5	1.2	*	0.0	0.0	0.0	0.0	0.0	*	1.5	6.7	23.6		
MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
H/C	NORMAL HEATING DEG. DAYS	30	480	350	202	74	7	0	0	0	2	57	211	416	1799	
	NORMAL COOLING DEG. DAYS	30	6	11	39	99	265	430	546	506	366	138	38	10	2454	
RH	NORMAL (PERCENT)	30	70	68	67	66	70	74	76	78	78	75	74	72	72	
	HOURLY 01 LST	30	78	77	79	80	85	87	88	90	89	86	85	81	84	
	HOURLY 07 LST	30	82	82	83	84	86	88	89	91	91	89	87	84	86	
	HOURLY 13 LST	30	56	51	49	46	51	55	57	60	60	54	54	56	54	
	HOURLY 19 LST	30	67	62	61	59	64	69	72	75	76	74	74	71	69	
S	PERCENT POSSIBLE SUNSHINE	46	54	57	62	71	68	65	63	62	57	63	61	55	62	
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	48	4.2	3.0	2.9	2.4	2.9	2.3	1.1	1.8	3.0	3.1	4.1	4.4	35.2	
	THUNDERSTORMS	61	1.0	1.3	2.8	3.5	6.3	10.5	14.2	11.9	5.2	1.5	0.6	0.6	59.4	
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	46	5.0	4.9	4.8	4.3	4.6	4.9	4.9	4.9	4.9	4.1	4.2	4.8	4.7	
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.6	4.5	4.3	3.7	4.1	4.4	4.5	4.4	4.3	3.7	3.8	4.3	4.2	
	MEAN NO. DAYS WITH: CLEAR	46	9.3	8.5	9.0	10.6	9.2	6.8	5.6	5.8	7.0	11.8	11.0	9.2	103.8	
	PARTLY CLOUDY	46	6.0	6.2	8.5	8.6	10.0	11.2	13.6	13.6	10.3	7.9	7.0	7.1	110.0	
	CLOUDY	46	15.7	13.7	13.5	10.7	11.8	12.0	11.9	11.6	12.6	11.4	12.0	14.7	151.6	
PR	MEAN STATION PRESSURE(IN)	28	30.09	30.06	30.01	29.97	29.96	29.95	29.98	29.96	29.97	30.02	30.07	30.10	30.01	
	MEAN SEA-LEVEL PRES. (IN)	28	30.14	30.11	30.07	30.02	30.01	30.00	30.03	30.01	30.02	30.07	30.12	30.15	30.06	
WINDS	MEAN SPEED (MPH)	28	7.3	7.7	8.2	7.6	7.0	6.4	6.1	5.9	6.6	6.5	6.4	6.7	6.9	
	PREVAIL.DIR.(TENS OF DEGS)	35	28	28	28	19	19	19	21	19	04	04	03	28	04	
	MAXIMUM 2-MINUTE: SPEED (MPH)	15	36	37	43	35	38	43	47	38	40	32	33	32	47	
	DIR. (TENS OF DEGS)		18	27	16	26	32	05	14	36	01	31	16	28	14	
	YEAR OF OCCURRENCE		2010	2009	2001	2009	2005	1998	2011	2009	1999	2011	2006	2011	JUL 2011	
	MAXIMUM 3-SECOND SPEED (MPH)	15	46	45	58	49	52	56	70	54	54	46	44	46	70	
	DIR. (TENS OF DEGS)		19	29	16	29	24	06	17	06	17	31	16	29	17	
YEAR OF OCCURRENCE		2010	2010	2001	2005	2004	1998	2011	1997	1998	2011	2006	2011	JUL 2011		
PRECIPITATION	NORMAL (IN)	30	3.95	2.92	3.64	3.32	3.61	5.49	6.04	7.20	5.08	3.12	2.40	2.81	49.58	
	MAXIMUM MONTHLY (IN)	61	8.98	7.92	9.57	10.57	10.08	14.39	20.10	17.03	13.47	19.84	5.69	10.71	20.10	
	YEAR OF OCCURRENCE		1991	1964	1959	1991	1957	1963	1964	1995	1953	1994	2008	2009	JUL 1964	
	MINIMUM MONTHLY (IN)	61	0.45	0.26	0.09	0.33	0.36	0.84	1.35	1.02	0.35	0.02	0.05	0.12	0.02	
	YEAR OF OCCURRENCE		1989	1991	2004	2007	2001	1954	1972	1980	1991	2000	2007	1984	OCT 2000	
	MAXIMUM IN 24 HOURS (IN)	61	3.74	3.46	4.65	5.62	5.67	6.77	6.36	8.71	6.80	8.86	5.02	7.31	8.86	
	YEAR OF OCCURRENCE		1998	1964	1959	1976	1976	1999	1957	1995	1979	1994	1969	2007	OCT 1994	
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.0	8.0	8.6	6.6	8.3	11.2	12.7	13.2	10.5	6.3	6.8	8.6	110.8	
	PRECIPITATION >= 1.00	30	1.0	0.7	1.0	0.9	1.0	1.4	1.8	2.2	1.4	0.6	0.7	0.8	13.5	
SNOWFALL	NORMAL (IN)	30	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	
	MAXIMUM MONTHLY (IN)	56	2.0	3.6	1.1	T	0.0	T	T	0.0	0.0	0.0	T	3.6	3.6	
	YEAR OF OCCURRENCE		1977	1968	1986	2006		2008	2008				2006	1989	DEC 1989	
	MAXIMUM IN 24 HOURS (IN)	56	1.3	3.6	1.1	T	0.0	T	T	0.0	0.0	0.0	T	3.4	3.6	
	YEAR OF OCCURRENCE		1977	1968	1986	2006		1989	2008				2006	1989	FEB 1968	
	MAXIMUM SNOW DEPTH (IN)	54	0	4	0	0	0	0	0	0	0	0	0	4	4	
	YEAR OF OCCURRENCE			1968										1989	DEC 1989	
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		

PRECIPITATION (inches) 2011 SAVANNAH (KSAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	3.47	2.94	1.64	6.25	4.18	9.15	6.70	9.18	2.98	1.74	0.40	3.63	52.26
1983	5.90	5.23	9.01	5.15	1.07	5.81	5.30	3.67	3.39	1.03	4.18	4.77	54.51
1984	8.87	3.21	5.13	3.41	5.29	1.48	7.88	3.46	7.43	1.23	3.15	0.12	50.66
1985	0.51	1.37	1.65	1.37	2.18	6.72	5.00	9.42	0.76	3.37	4.28	2.01	38.64
1986	2.03	5.28	2.85	0.38	2.06	2.98	5.49	12.31	0.49	1.99	4.40	5.07	45.33
1987	8.62	4.39	5.33	0.50	3.82	8.03	4.37	9.46	8.16	0.33	2.06	1.41	56.48
1988	3.44	4.09	2.11	5.05	3.52	2.63	1.80	10.68	9.62	2.81	1.43	0.99	48.17
1989	0.45	0.67	1.41	3.59	3.10	7.30	4.91	6.29	7.98	4.71	1.26	5.20	46.87
1990	3.91	3.08	3.79	1.75	2.07	0.97	1.92	7.25	1.26	12.50	2.48	2.10	43.08
1991	8.98	0.26	5.48	10.57	7.13	5.12	15.41	10.51	0.35	1.60	1.26	1.75	68.42
1992	6.60	2.24	3.97	2.08	2.04	13.01	2.03	7.69	8.42	3.60	5.15	1.53	58.36
1993	5.52	3.35	7.96	3.22	1.31	2.48	4.34	3.04	6.84	2.58	5.26	2.15	48.05
1994	4.70	0.78	3.75	2.13	6.17	7.80	6.90	2.64	6.60	19.84	3.67	4.46	69.44
1995	2.44	4.47	0.72	0.69	3.52	5.89	6.65	17.03	4.10	3.42	1.29	0.89	51.11
1996	2.01	1.35	4.29	2.43	1.44	2.44	5.23	7.12	2.84	3.45	.88	2.72	36.20
1997	3.12	2.34	1.54	3.62	2.99	5.90	11.64	4.56	5.32	5.65	5.04	3.98	55.70
1998	7.51	6.88	3.98	5.68	1.97	1.93	8.27	3.79	5.56	1.28	0.30	2.32	49.47
1999	4.73	1.95	1.25	1.68	2.54	14.25	7.15	4.26	6.50	2.04	0.49	1.94	48.78
2000	2.71	1.56	4.30	2.84	0.96	5.47	3.38	4.18	7.45	T	1.77	2.82	37.44
2001	1.71	0.77	6.65	0.71	0.36	6.41	4.85	4.65	4.72	0.16	0.16	0.49	31.64
2002	2.37	1.54	5.52	0.39	0.99	10.49	3.46	4.31	5.54	4.33	4.60	3.88	47.42
2003	0.65	3.23	7.84	6.21	5.99	4.82	6.38	2.82	3.61	3.02	1.67	1.47	47.71
2004	2.03	2.76	0.09	4.57	1.64	8.51	3.41	3.70	4.60	3.03	1.08	1.76	37.18
2005	1.41	1.96	7.06	2.96	3.89	6.60	3.87	5.32	0.48	6.93	2.83	2.72	46.03
2006	2.94	3.91	0.32	1.91	0.65	6.31	2.98	4.37	5.22	1.02	2.03	2.79	34.45
2007	2.72	2.00	1.88	0.33	1.52	8.95	7.01	4.33	7.42	4.29	0.05	9.44	49.94
2008	2.93	4.55	1.35	2.56	1.32	3.69	7.32	6.61	1.42	9.29	5.69	0.56	47.29
2009	1.02	1.33	4.42	6.97	9.69	4.39	6.57	7.86	2.43	3.41	2.31	10.71	61.11
2010	6.28	3.25	2.72	1.40	3.88	5.79	2.18	5.30	3.01	0.60	0.31	1.63	36.35
2011	2.46	3.28	4.44	1.35	0.77	7.09	4.00	2.68	4.71	2.20	0.72	1.15	34.85
POR= 61 YRS	3.37	2.98	3.79	3.09	3.75	5.84	6.44	6.54	4.88	2.99	2.09	2.83	48.59

WBAN : 03822

AVERAGE TEMPERATURE (°F) 2011 SAVANNAH (KSAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	48.7	55.9	62.1	64.8	74.3	80.2	81.3	81.0	75.5	67.6	61.8	57.4	67.6
1983	46.1	50.8	58.0	62.8	73.0	78.2	84.1	82.9	75.7	69.7	57.7	48.5	65.6
1984	47.7	53.7	59.3	65.7	72.9	79.2	80.6	81.5	75.0	73.2	55.7	59.5	67.0
1985	45.3	53.0	61.5	66.9	74.6	81.3	82.7	80.7	76.6	72.2	67.5	48.9	67.6
1986	47.6	56.9	59.1	66.8	75.0	82.5	85.7	81.6	79.7	70.0	65.0	53.9	68.7
1987	49.0	50.4	58.2	63.9	74.1	80.6	83.6	84.5	77.8	61.5	60.4	54.7	66.6
1988	45.0	50.2	58.2	66.1	72.4	77.7	82.7	82.5	77.4	64.2	61.3	51.1	65.7
1989	56.6	56.1	60.6	65.6	72.3	81.0	82.9	80.7	76.8	68.6	59.5	43.7	67.0
1990	55.7	60.0	62.6	65.0	74.3	81.5	84.4	82.4	78.9	70.7	60.8	56.5	69.4
1991	52.2	56.2	62.4	70.0	77.5	79.4	83.2	82.2	77.9	68.4	56.6	55.6	68.5
1992	49.9	55.7	59.2	64.5	71.7	78.6	84.3	81.0	77.1	66.6	60.6	52.0	66.8
1993	54.8	50.3	57.0	62.4	73.6	81.3	86.7	83.1	79.6	68.1	59.9	49.7	67.2
1994	47.7	56.0	62.9	69.6	72.4	80.7	82.2	81.2	76.6	67.8	63.7	54.9	68.0
1995	50.7	52.4	62.5	69.1	76.5	79.2	83.8	82.4	76.1	71.5	55.6	50.1	67.5
1996	50.1	54.6	56.0	64.0	75.2	78.8	82.4	79.3	76.1	66.5	55.9	52.9	66.0
1997	50.9	55.1	64.7	63.1	68.9	75.4	81.2	79.3	76.9	66.6	55.1	50.5	65.6
1998	52.9	54.1	56.4	65.3	75.6	83.0	83.4	81.2	77.5	68.9	62.6	55.5	68.0
1999	52.4	54.3	55.8	69.0	70.8	77.1	82.7	83.1	75.7	67.8	59.7	50.8	66.6
2000	48.1	53.2	61.7	62.8	75.3	79.2	82.0	81.0	75.5	64.8	55.6	43.7	65.2
2001	46.8	56.0	57.4	65.1	73.0	78.8	80.8	81.3	74.2	64.9	63.0	55.9	66.4
2002	52.2	51.8	60.7	70.5	72.7	79.2	82.4	80.6	79.5	71.3	56.3	49.0	67.2
2003	45.4	51.6	61.6	65.4	74.3	78.8	81.8	81.8	76.1	69.0	63.0	48.1	66.4
2004	48.5	49.5	60.0	64.3	74.9	80.4	81.7	79.6	76.6	69.2	60.6	49.7	66.3
2005	51.9	52.4	55.8	61.7	70.1	78.5	83.1	82.3	79.2	67.7	60.0	48.5	65.9
2006	54.0	50.2	57.2	68.0	72.2	78.1	81.5	82.8	76.3	65.4	57.0	56.1	66.6
2007	52.5	50.3	60.9	64.4	72.3	78.7	81.2	83.6	77.7	71.6	57.7	56.9	67.3
2008	49.1	56.0	59.7	65.9	73.2	82.5	82.3	82.1	77.8	66.3	55.4	56.8	67.3
2009	50.6	50.4	59.5	65.1	74.2	81.9	80.9	81.2	77.1	68.7	59.5	52.1	66.8
2010	45.5	46.3	55.6	67.1	76.0	83.6	83.9	84.2	79.2	69.1	58.4	43.7	66.1
2011	45.1	55.4	60.9	69.6	75.0	83.0	84.3	84.8	77.4	64.6	59.7	55.8	68.0
POR= 61 YRS	49.3	52.4	58.9	65.9	73.4	79.3	82.0	81.3	76.8	67.5	58.4	51.4	66.4

HEATING DEGREE DAYS (base 65°F) 2011 SAVANNAH (KSAV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0	0	0	73	139	266	579	392	228	115	0	0	1792
1983-84	0	0	2	19	232	513	531	320	200	68	7	0	1892
1984-85	0	0	1	8	299	185	615	360	157	60	2	0	1687
1985-86	0	0	1	16	51	504	531	240	215	59	4	0	1621
1986-87	0	5	0	48	101	349	491	401	231	110	5	0	1741
1987-88	0	0	0	122	185	332	612	426	218	52	1	0	1948
1988-89	0	0	0	84	141	423	268	289	193	110	13	0	1521
1989-90	0	0	1	59	191	653	286	175	135	81	0	0	1581
1990-91	0	0	0	55	143	279	395	260	139	14	0	0	1285
1991-92	0	0	0	34	270	315	461	274	204	101	22	0	1681
1992-93	0	0	1	45	194	401	320	406	254	113	0	0	1734
1993-94	0	0	1	45	193	470	530	260	123	20	7	0	1649
1994-95	0	0	0	32	95	317	433	358	114	30	1	0	1380
1995-96	0	0	6	25	313	457	457	313	288	109	7	0	1975
1996-97	0	0	0	51	287	374	435	290	88	107	24	5	1661
1997-98	0	0	0	80	300	442	373	303	283	63	0	0	1844
1998-99	0	0	0	44	107	305	390	294	283	60	17	0	1500
1999-00	0	0	0	56	179	436	518	340	122	97	1	0	1749
2000-01	0	0	1	72	304	655	560	262	248	88	0	0	2190
2001-02	0	0	4	107	103	294	405	373	200	25	20	0	1531
2002-03	0	0	0	14	277	486	599	368	131	65	0	0	1940
2003-04	0	0	3	6	134	518	517	446	176	90	6	0	1896
2004-05	0	0	0	22	184	482	405	353	287	110	14	0	1857
2005-06	0	0	0	85	173	502	335	411	259	43	13	0	1821
2006-07	0	0	0	86	247	281	394	407	153	111	2	0	1681
2007-08	0	0	0	14	227	261	490	269	185	65	2	0	1513
2008-09	0	0	0	88	298	280	442	403	194	61	12	0	1778
2009-10	0	0	0	50	176	406	595	518	284	25	0	0	2054
2010-11	0	0	0	18	212	654	608	279	153	46	6	0	1976
2011-	0	0	0	86	174	290							

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COOLING DEGREE DAYS (base 65°F) 2011 SAVANNAH (KSAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	6	10	67	79	292	463	514	503	323	158	48	42	2505
1983	0	0	16	55	253	400	598	562	332	171	18	6	2411
1984	0	0	31	94	261	431	486	517	309	270	24	19	2442
1985	11	31	58	123	307	496	557	496	355	248	133	7	2822
1986	0	18	40	121	321	532	651	525	449	212	107	13	2989
1987	0	0	26	85	292	474	583	611	392	22	50	21	2556
1988	0	3	11	92	238	386	555	547	378	66	35	1	2312
1989	13	45	64	135	248	488	563	493	362	177	33	0	2621
1990	4	41	69	90	296	503	608	549	422	237	25	24	2868
1991	7	18	64	169	397	441	572	540	393	143	25	29	2798
1992	0	11	29	94	234	414	603	504	370	101	69	7	2436
1993	12	0	10	43	271	497	678	567	447	149	46	1	2721
1994	0	14	62	165	243	476	542	509	355	125	63	14	2568
1995	1	9	46	160	366	433	591	547	348	235	36	4	2776
1996	3	20	19	84	331	419	549	451	339	105	20	2	2342
1997	4	20	84	57	155	322	510	452	363	137	11	0	2115
1998	10	5	24	77	336	546	575	508	383	173	44	18	2699
1999	7	1	4	187	205	368	556	568	328	153	26	1	2404
2000	3	5	27	37	325	435	538	503	325	73	28	0	2299
2001	2	17	20	99	253	422	499	515	287	106	49	19	2288
2002	16	9	73	196	265	433	547	487	443	218	20	0	2707
2003	0	0	32	83	292	420	528	529	346	136	81	0	2447
2004	12	2	30	77	324	465	524	458	353	162	57	13	2477
2005	6	6	12	20	182	415	567	543	433	175	28	0	2387
2006	0	0	20	141	245	400	518	560	347	105	15	12	2363
2007	13	0	31	101	233	420	510	585	388	223	14	15	2533
2008	4	14	29	99	260	529	545	536	392	135	14	29	2586
2009	4	0	33	72	304	515	500	509	369	171	15	13	2505
2010	0	0	0	95	348	564	593	602	435	153	20	0	2810
2011	0	15	35	191	322	548	604	621	379	81	24	9	2829

SNOWFALL (inches) 2011 SAVANNAH (KSAV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.1	0.0	0.0	0.0	1.4
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	1.0	0.0	0.0	0.0	T	1.0
1989-90	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
1993-94	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	T	0.2	0.0				
1996-97													
1997-98													
1998-99													
1999-00													
2000-01							T						
2001-02													
2002-03							T	0.0	0.0	0.0	0.0	0.0	
2003-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004-05	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
2005-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
2006-07	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
2008-09	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
2009-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
2010-11	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	0.0	T
2011-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 57 YRS	T	0.0	0.0	0.0	T	0.1	T	0.2	T	T	0.0	T	0.3

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REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD. CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</p>	<p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2011 SAVANNAH GEORGIA (KSAV)

Savannah is surrounded by flat terrain, low and marshy to the north and east, and rising to several feet above sea level to the west and south. About half the land to the west and south is cleared and the other half is wooded and swampy.

The area has a temperate climate, with a seasonal low temperature of 51 degrees in winter, 66 degrees in spring, 80 degrees in summer, and 66 degrees in autumn. The lowest temperatures are below 10 degrees and the highest temperatures are about 100 degrees.

The normal annual rainfall is about 49 inches. About half falls in the thunderstorm season of June 15 through September 15. The remainder, produced principally by squall-line and frontal showers, is spread over the other nine months with a minor peak in March. Considerable periods of fair, mild weather are experienced in October, November, April, and to a less extent, in May. Snow is a rarity and even a trace does not occur on an average of once a year. The heaviest snowfalls are under 5 inches. Severe tropical storms affect this area about once in ten years. Rainfall from these storms constitute the heaviest sustained precipitation. Accumulations exceeding 22 inches have occurred.

The present exposure of the thermometers gives readings more nearly commensurate with those of suburban street levels of Savannah than was the case of previous locations atop various buildings. During that time, especially on still, clear nights, temperatures near the ground and in lower inland areas were as much as 15 degrees lower than the official low temperature. Present differences on comparable nights range from 3 - 8 degrees.

Sunshine is adequate at all seasons and seldom are there two or more days in succession without it. Sea- and land-breeze effect is usually not felt in Savannah, though it is a daily feature on the nearby islands. Dry, continental air masses reach this area in summer mostly by sliding down the Atlantic coast and giving cooler northeast winds. Such masses reaching this area from the northwest or west in summer bring mostly clear skies and high temperatures.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 15 and the average last occurrence in the spring is March 10.

Station History

SAVANNAH, GA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
SAVANNAH TRAVIS FIELD	1950-10-01	1951-01-01	32° 7'	-81° 12'	46	8 MI NW	COOP, USHCN
SAVANNAH INTL AP	1985-08-01	1996-04-01	32° 7'	-81° 12'	46		COOP, USHCN, WXSVC
SAVANNAH INTL AP	1997-03-01	Present	32° 7'	-81° 12'	46		ASOS, COOP, USHCN
SAVANNAH INTL AP	1996-04-01	1997-03-01	32° 7'	-81° 12'	46		ASOS, COOP, USHCN
SAVANNAH MUNICIPAL AP	1969-01-01	1985-08-01	32° 7'	-81° 12'	46		COOP, USHCN, WXSVC
SAVANNAH TRAVIS FIELD	1951-01-01	1967-12-01	32° 7'	-81° 12'	46		AIRWAYS, COOP, USHCN
SAVANNAH MUNICIPAL AP	1967-12-01	1969-01-01	32° 7'	-81° 12'	46		AIRWAYS, COOP, USHCN

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
EVAP	1950-10-01	1995-07-01	DAILY	0700			
PRECIP	1950-10-01	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1995-07-10	HOURLY	2400	UNIV	RCRD	
TEMP	1995-07-10	1997-03-01	DAILY	2400	HYGR		
TEMP	1950-10-01	1995-07-01	DAILY	2400			
TEMP	1995-07-01	1995-07-10	DAILY	2400			
PRECIP	1995-07-10	1997-03-01	DAILY	2400	UNIV	RCRD	
PRECIP	1997-03-01	Present	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	1950-10-01	1995-07-01	HOURLY	2400			
PRECIP	1995-07-10	1997-03-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1997-03-01	Present	DAILY	2400	PCPNX		
EVAP	1995-07-01	1995-07-10	DAILY	0700			
EVAP	1995-07-10	1997-03-01	DAILY	0700	MONEL(H)		
TEMP	1997-03-01	Present	DAILY	2400	ATEMP		
PRECIP	1995-07-01	1995-07-10	DAILY	2400	UNIV	RCRD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

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Asheville, NC 28801-5001

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